



Appendix 1
Fig. 1 of priority provisional application 60/136,436

	10	20	30	40	50	60	70
MANASGEPPGVGGGLAAALGSAYVKLALLGLLLKVSLAGNALLALLVVKERALHKAPYYLLLDLCLADGL							
ARE-2							
MANTTGEPEEVSGALSPPSASAYVKLVLLGLIMCVSLAGNAILSSLVVKERALHKAPYYFLLDLCLADGI							
hu GPR27 pro	10	20	30	40	50	60	70
MANAS-EPGGSGGEEAALG---LKLATLSSLKVSLAGNVLFALLIVRERSLHRAPYYLLLDLCLADGL							
RAAACLPAVLAARHGAAAAGAPPAGCKLVAFLAALFCFHAFAFLLLGVGVTRYLAIHHRFYAAERLAG							
ARE-2	80	90	100	110	120	130	140
hu GPR27 pro	RSAVCFPFVLASVRHGSSWTFS---ALSCKIVAFMAVLFCFHAFAFLFCISVTRYMAIAHHRFYAKRMTL	137					
RALACLPAVMAARRAAAAGAPPAGCKLVAFLAALFCFHAFAFLLLGVGVTRYLAIHHRFYAAERLAG							
WTCAAVLVCAAWALAVAAAAPPVLDGGGYKFIDEDAQCALEQRYDGANGALGFLLLLAVVVGATHAVYKG							
ARE-2	150	160	170	180	190	200	210
hu GPR27 pro	WTCAAV-ICMAWTLVAMAFPPVFDVGTYKFIREDQCIFEHRYFKANDTLGFMLMLAVLMAATHAVYKG	206					
WPCAAMLVCAAWALALAAAAPPVLDGGG---DDEDAPCALEQRPDGAPGALGFLLLLAVVVGATHLVYL							
LLLFIHDHRKMKPAQLVPAVSQDWTFHGPATGQAAANWIAGFGRGPTPPALVGIRQAGHGRGARRLLGL							
ARE-2	220	230	240	250	260	270	280
hu GPR27 pro	LLLFEYRHRKMKPVQMVAISQNWTFHGPATGQAAANWIAGFGRGPMPPTLGIRQNGHA-ASRLLGM	275					
LLFFIHDRRKMRPARLVPAVSHDWTFHGPATGQAAANWTAGFGRGPTPPALVGIRPAGPGRGARRLLVL							
DEVKGEKQLGKMFYAVTLLFLLWGPYVVASYLRLVKAGAVPQAYLAAAVWLSFAQAGVNPNVCFLLNK							
ARE-2	290	300	310	320	330	340	350
hu GPR27 pro	DEVKGEKQLGRMFYAITLLFLLWSPYIVACYWRVFVKACAVPHRYLATAVWMSFAQAAVNPIVCFLINK	345					
EEFKTEKRLCKMFYAVTLLFLLWGPYVVASYLRLVRPGAVPQAYLTASVWLTAQAGINPVVCFLFNR							
DLKDCLTAQAPCWGSGGATAATEPYCDLKGIGL-							
ARE-2	360	370	380				
hu GPR27 pro	DLKKCLTTHAPCWGTGGAPAPREPYC---VM. ELRDCFRAQFPCCQSPRTTQATHP-CDLKGIGL.	374					
							376

Figure 1

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